

Welcome to STN International! Enter x:x

LOGINID:sssptal600rxa

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded
NEWS 29 Oct 24 BEILSTEIN adds new search fields
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 32 Nov 18 DKILIT has been renamed APOLLIT
NEWS 33 Nov 25 More calculated properties added to REGISTRY
NEWS 34 Dec 02 TIBKAT will be removed from STN
NEWS 35 Dec 04 CSA files on STN
NEWS 36 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 37 Dec 17 TOXCENTER enhanced with additional content
NEWS 38 Dec 17 Adis Clinical Trials Insight now available on STN

NEWS EXPRESS October 14 CURRENT WINDOWS VERSION IS V6.01,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:10:14 ON 19 DEC 2002

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 09:10:21 ON 19 DEC 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 DEC 2002 HIGHEST RN 477178-10-2

DICTIONARY FILE UPDATES: 18 DEC 2002 HIGHEST RN 477178-10-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

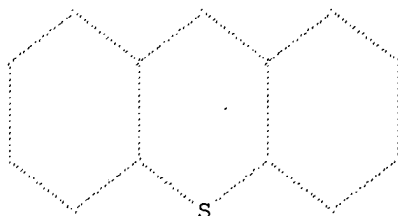
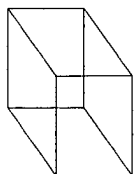
Uploading 09673473.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:11:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 182 TO ITERATE

100.0% PROCESSED 182 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2831 TO 4449
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

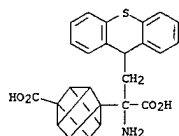
FULL SEARCH INITIATED 09:11:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3547 TO ITERATE

100.0% PROCESSED 3547 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L3 4 SEA SSS FUL L1

=> d scan

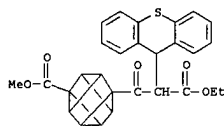
L3 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN 9H-Thioxanthene-9-propanoic acid, .alpha.-amino-.alpha.-(4-carboxypentacyclo[4.2.0.02,5.03,8.04,7]octyl)- (9CI)
 MF C25 H21 N O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

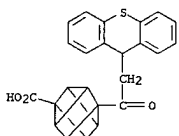
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L3 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN 9H-Thioxanthene-9-acetic acid, .alpha.-[4-(methoxycarbonyl)pentacyclo[4.2.0.02,5.03,8.04,7]octyl]carbonyl]-, ethyl ester (9CI)
 MF C28 H24 O5 S



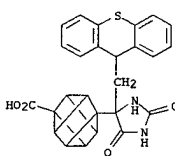
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, 4-(9H-thioxanthene-9-ylacetyl)- (9CI)
 MF C24 H18 O3 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, 4-[2,5-dioxo-4-(9H-thioxanthene-9-ylmethyl)-4-imidazolidinyl]- (9CI)
 MF C26 H20 N2 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

140.66

140.87

FILE 'CAPLUS' ENTERED AT 09:11:48 ON 19 DEC 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 19 Dec 2002 VOL 137 ISS 25

FILE LAST UPDATED: 18 Dec 2002 (20021218/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

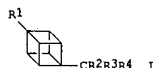
=> s l3

L4 1 L3

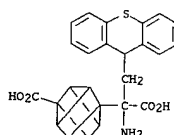
=> d ibib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1999:691063 CAPLUS
 DOCUMENT NUMBER: 131:286824
 TITLE: Preparation of cubane amino acid derivatives as
 metabotropic glutamate receptor antagonists
 INVENTOR(S): Curry, Kenneth; Fajouhesh, Hassan
 PATENT ASSIGNEE(S): Can.
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9954280	A1	19991028	WO 1999-CA311	19990419
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CH, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2328984	AA	19991028	CA 1999-2328984	19990419
AU 9933247	A1	19991108	AU 1999-33247	19990419
BR 9910130	A	20010109	BR 1999-10130	19990419
EP 1071655	A1	20010131	EP 1999-914388	19990419
R:	BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, IE			
JP 2002512214	T2	20020423	JP 2000-544622	19990419
PRIORITY APPLN. INFO.:			CA 1998-2235119	A 19980417
			WO 1999-CA311	W 19990419
OTHER SOURCE(S):		MARPAT 131:286824		
GI				

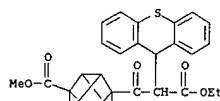


AB Cubane derivs. I (R1 = an acidic group selected from carboxy, phosphono, phosphino, sulfono, sulfinio, borono, tetrazolyl, isoxazolyl, -CH2-carboxy, -CH2-phosphono, -CH2-phosphino, -CH2-sulfono, -CH2-sulfinio, -CH2-borono, -CH2-tetrazolyl, or -CH2-isoxazolyl; R2 = a basic group such as amino, imidazolyl, guanidino, boronamino, urea, or thiourea; R3 = H, alkyl, aryl, heterocyclyl; R4 = an acidic group selected from carboxy, phosphono, phosphino, sulfono, sulfinio, borono, tetrazolyl, or isoxazolyl) or their pharmaceutical acceptable salts were prepd. as metabotropic glutamate receptor antagonists. Thus, 4-carboxy-1-cubanylglycine was prepd. from di-Me 1,4-cubanedicarboxylate. Formulations contg. cubane derivs. are described.

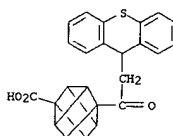


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

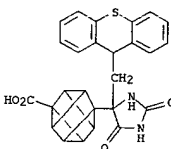
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)
 IT 246854-87-5P 246854-89-7P 246854-91-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. of cubane amino acid derivs. as metabotropic glutamate receptor antagonists)
 RN 246854-87-5 CAPLUS
 CN 9H-Thioxanthene-9-acetic acid, .alpha.-[[4-(methoxycarbonyl)pentacyclo[4.2.0.0.0.0.0]octyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 246854-89-7 CAPLUS
 CN Pentacyclo[4.2.0.0.0.0.0]octanecarboxylic acid, 4-(9H-thioxanthene-9-ylacetyl)- (9CI) (CA INDEX NAME)



RN 246854-91-1 CAPLUS
 CN Pentacyclo[4.2.0.0.0.0.0]octanecarboxylic acid, 4-[2,5-dioxo-4-(9H-thioxanthene-9-ylmethyl)-4-imidazolidinyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS (Continued)
 IT 246854-93-3P
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of cubane amino acid derivs. as metabotropic glutamate receptor antagonists)
 RN 246854-93-3 CAPLUS
 CN 9H-Thioxanthene-9-propanoic acid, .alpha.-amino-.alpha.-(4-carboxypentacyclo[4.2.0.0.0.0.0]octyl)- (9CI) (CA INDEX NAME)

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.37	147.24

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.62	-0.62

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 09:14:42 ON 19 DEC 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 DEC 2002 HIGHEST RN 477178-10-2
 DICTIONARY FILE UPDATES: 18 DEC 2002 HIGHEST RN 477178-10-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

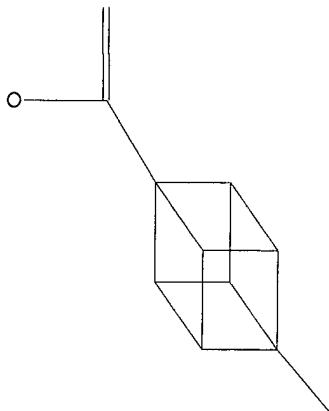
Uploading 09673473.str

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 09:14:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3555 TO ITERATE

28.1% PROCESSED 1000 ITERATIONS 2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 67526 TO 74674
PROJECTED ANSWERS: 2 TO 301

L6 2 SEA SSS SAM L5

=> s 15 full

FULL SEARCH INITIATED 09:15:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 71326 TO ITERATE

100.0% PROCESSED 71326 ITERATIONS 130 ANSWERS
SEARCH TIME: 00.00.01

L7 130 SEA SSS FUL L5

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	140.28	287.52
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

FILE 'CAPLUS' ENTERED AT 09:15:04 ON 19 DEC 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 19 Dec 2002 VOL 137 ISS 25
FILE LAST UPDATED: 18 Dec 2002 (20021218/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s 17

L8 118 L7

=> s 18 and thioxanthyl

22 THIOXANTHYL

L9 0 L8 AND THIOXANTHYL

=> s thioxanthyl

L10 22 THIOXANTHYL

=> s 110 and cubane

2191 CUBANE

331 CUBANES

2250 CUBANE

(CUBANE OR CUBANES)

L11 0 L10 AND CUBANE

=> s 110 and cub?

113914 CUB?

L12 0 L10 AND CUB?

=> s 18 and glutamate

83058 GLUTAMATE

988 GLUTAMATES

83410 GLUTAMATE

(GLUTAMATE OR GLUTAMATES)

L13 4 L8 AND GLUTAMATE

=> d ibib abs hitstr 1-4

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:22646 CAPLUS

DOCUMENT NUMBER: 137:241510

TITLE: Phenylglycine analogues as antagonists of either cloned or native group I metabotropic glutamate receptors on neonatal rat spinal motoneurons

AUTHOR(S): Jane, D. E.; Thomas, N. K.; Woolley, M. L.; Miller, J. C.; Harris, J. R.; Baker, S. R.; Clark, B. P.

CORPORATE SOURCE: Department of Pharmacology, University of Bristol, Bristol, BS8 1TD, UK

SOURCE: Biomedical and Health Research (2001), 45(Excitatory Amino Acids: Ten Years Later), 43-49

CODEN: BIHREN; ISSN: 0929-6743

PUBLISHER: IOS Press

DOCUMENT TYPE: Journal: General Review

LANGUAGE: English

AB A review. To date, genes encoding eight metabotropic glutamate (mGlu) receptors have been isolated. They have been classified into three groups according to their sequence homol., agonist selectivity and signal transduction mechanism. Activation of group I mGlu receptors (mGlu1,5) results in an increase in both phosphoinositide hydrolysis and calcium mobilization while activation of mGlu receptors in group II (mGlu2,3) or III (mGlu4,6,7,8) leads to a redn. in cAMP levels. In order to probe the physiol. roles of the various mGlu receptor subtypes selective agonists and antagonists for these receptors are required. Phenylglycine (PG) analogs were amongst the first selective ligands developed for mGlu receptors. Of these, (S)-.alpha.-methyl-4-carboxy-PG (MCPG) was the first reported antagonist with action at all three groups of mGlu receptors and (S)-3,5-dihydroxy-PG was the first selective group I mGlu receptor agonist. Both have been widely used for the characterization of the physiol. roles of mGlu receptors but newer compds. with greater potency and selectivity for mGlu1 and mGlu5 are still required. In this review, the development of phenylglycine and related analogs as selective group I mGlu receptor antagonists will be outlined. In addn., the actions of four novel phenylglycine analogs, (RS)-.alpha.-xanthenylmethyl-4-carboxy-PG (LY339764), (RS)-.alpha.-thioxanthenylmethyl-4-carboxy-PG (LY367366), (RS)-.alpha.-xanthenylmethyl-4-tetrazolyl-PG (LY367586), and (S)-.alpha.-methyl-4-carboxy-PG (LY367385) on native and cloned mGlu receptor subtypes will be described.

IT 211635-33-5, (S)-2-(4'-Carboxycyclohexyl)glycine
 RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (phenylglycine analogs as antagonists of either cloned or native group I metabotropic glutamate receptors on neonatal rat spinal motor neurons)
 RN 211635-33-5 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octaneacetic acid, .alpha.-amino-4-carboxy-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:162865 CAPLUS

DOCUMENT NUMBER: 134:340669

TITLE: Synthesis and biological evaluation of

2-(3'-(1H-tetrazol-5-yl)bicyclo[1.1.1]pent-1-yl)glycine (S-TBPG), a novel mGlu1 receptor antagonist
 Costantino, G.; Maltoni, K.; Marinuzzi, M.; Camaioni, E.; Prezeau, L.; Pin, J.-P.; Pellicciari, R.
 Dipartimento di Chimica e Tecnologia del Farmaco, Università di Perugia, Perugia, 06123, Italy
 Bioorganic & Medicinal Chemistry (2001), 9(2), 221-227
 CODEN: BMCBEP; ISSN: 0968-0896
 Elsevier Science Ltd.

PUBLISHER: Journal

DOCUMENT TYPE: English

LANGUAGE: English

OTHER SOURCE(S): CASREACT 134:340669

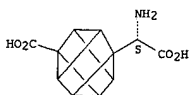
AB The design and synthesis of 2-(3'-(1H-tetrazol-5-yl)bicyclo[1.1.1]pent-1-yl)glycine (S-TBPG), a novel mGlu1 antagonist is reported. S-TBPG is characterized by the bioisosteric replacement of the distal carboxy group of 2-(3'-carboxybicyclo[1.1.1]pent-1-yl)glycine (S-CBPG) by a tetrazolyl moiety. Despite a moderate redn. in potency, S-TBPG is a selective mGlu1 antagonist (69 .mu.M), with no activity at other mGluR subtypes. The interesting biol. profile of S-TBPG, coupled with its peculiar chem. structure, is discussed in terms of the structure-activity relationship (SAR) of mGlu1 antagonists.

IT 211635-33-5
 RL: PRP (Properties)
 (structure-activity relationship of carboxyphenylglycines as mGlu1 selective receptor antagonists)

RN 211635-33-5 CAPLUS

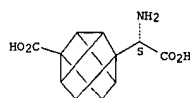
CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octaneacetic acid, .alpha.-amino-4-carboxy-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:691063 CAPLUS

DOCUMENT NUMBER: 131:286824

TITLE: Preparation of cubane amino acid derivatives as metabotropic glutamate receptor antagonists
 Curry, Kenneth; Fajouhesh, Hassan
 Can.

INVENTOR(S): PCT Int. Appl., 48 pp.

PATENT ASSIGNEE(S): Patent

SOURCE: CODEN: PIXXD2

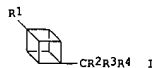
DOCUMENT TYPE: English

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9954280	A1	19991028	WO 1999-CA311	19990419
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TH				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2328984	AA	19991028	CA 1999-2328984	19990419
AU 9933247	A1	19991108	AU 1999-33247	19990419
BR 9910130	A	20010109	BR 1999-10130	19990419
EP 1071655	A1	20010131	EP 1999-914388	19990419
R: BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, IE				
JP 2002512214	T2	20020423	JP 2000-544622	19990419
PRIORITY APPLN. INFO.:			CA 1998-2235119	A 19980417
			WO 1999-CA311	W 19990419
OTHER SOURCE(S):			MARPAT 131:286824	
GI				



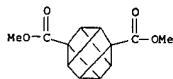
AB Cubane derivs. I (R1 = an acidic group selected from carboxy, phosphono, phosphino, sulfono, sulfinio, borono, tetrazolyl, isoxazolyl, -CH2-carboxy, -CH2-phosphono, -CH2-phosphino, -CH2-sulfono, -CH2-sulfinio, -CH2-borono, -CH2-tetrazolyl, or -CH2-isoxazolyl; R2 = a basic group such as amino, imidazolyl, guanidino, boronamino, urea, or thiourea; R3 = H, alkyl, aryl, heterocyclyl; R4 = an acidic group selected from carboxy, phosphono, phosphino, sulfono, sulfinio, borono, tetrazolyl, or isoxazolyl) or their pharmaceutical acceptable salts were prepd. as metabotropic glutamate receptor antagonists. Thus, 4-carboxy-1-cubanylglycine was prepd. from di-Me 1,4-cubanediacarboxylate. Formulations contg. cubane derivs. are described.

IT 29412-62-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (prepn. of cubane amino acid derivs. as metabotropic glutamate receptor antagonists)

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 29412-62-2 CAPLUS

CN Pentacyclo[4.2.0.02,5.03,8.04,7]octane-1,4-dicarboxylic acid, dimethyl ester (7CI, 8CI, 9CI) (CA INDEX NAME)



IT 24539-28-4P 60462-18-2P 60462-19-3P

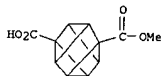
211635-35-7P 211635-37-9P 246854-75-1P

246854-84-2P 246854-87-5P 246854-89-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of cubane amino acid derivs. as metabotropic glutamate receptor antagonists)

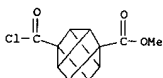
RN 24539-28-4 CAPLUS

CN Pentacyclo[4.2.0.02,5.03,8.04,7]octane-1,4-dicarboxylic acid, monomethyl ester (8CI, 9CI) (CA INDEX NAME)



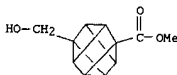
RN 60462-18-2 CAPLUS

CN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, 4-(chlorocarbonyl)-, methyl ester (9CI) (CA INDEX NAME)

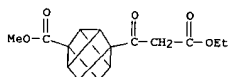


RN 60462-19-3 CAPLUS

CN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, 4-(hydroxymethyl)-, methyl ester (9CI) (CA INDEX NAME)

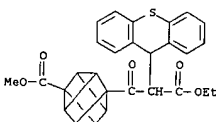


L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS (Continued)



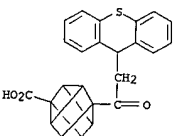
RN 246854-87-5 CAPLUS

CN 9H-Thioxanthene-9-acetic acid, .alpha.-[[4-(methoxycarbonyl)pentacyclo[4.2.0.02,5.03,8.04,7]octyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 246854-89-7 CAPLUS

CN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, 4-(9H-thioxanthene-9-ylacetyl)- (9CI) (CA INDEX NAME)



IT 211635-33-5P 246854-80-8P 246854-93-3P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of cubane amino acid derivs. as metabotropic glutamate receptor antagonists)

RN 211635-33-5 CAPLUS

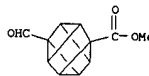
CN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, .alpha.-amino-4-carboxy-, (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. . Rotation (+).

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 211635-35-7 CAPLUS

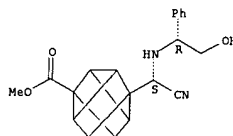
CN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, 4-formyl-, methyl ester (9CI) (CA INDEX NAME)



RN 211635-37-9 CAPLUS

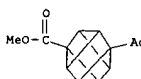
CN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, 4-[(S)-cyano[(1R)-2-hydroxy-1-phenylethyl]amino]methyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 246854-75-1 CAPLUS

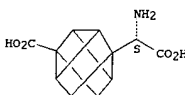
CN Pentacyclo[4.2.0.02,5.03,8.04,7]octanecarboxylic acid, 4-acetyl-, methyl ester (9CI) (CA INDEX NAME)



RN 246854-84-2 CAPLUS

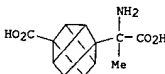
CN Pentacyclo[4.2.0.02,5.03,8.04,7]octanepropanoic acid, 4-(methoxycarbonyl)-.beta.-oxo-, ethyl ester (9CI) (CA INDEX NAME)

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS (Continued)



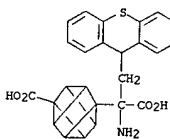
RN 246854-80-8 CAPLUS

CN Pentacyclo[4.2.0.02,5.03,8.04,7]octane-1-acetic acid, .alpha.-amino-4-carboxy-.alpha.-methyl- (9CI) (CA INDEX NAME)



RN 246854-93-3 CAPLUS

CN 9H-Thioxanthene-9-propanoic acid, .alpha.-amino-.alpha.-[4-carboxypentacyclo[4.2.0.02,5.03,8.04,7]octyl]- (9CI) (CA INDEX NAME)

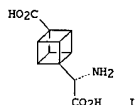


REFERENCE COUNT:

7

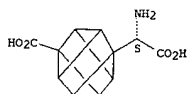
THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:427368 CAPLUS
 DOCUMENT NUMBER: 129:175941
 TITLE: Synthesis and preliminary evaluation of
 (S)-2-(4'-carboxycubyl)glycine, a new selective mGluR1
 antagonist
 AUTHOR(S): Pellicciari, Roberto; Costantino, Gabriele;
 Giovagnoni, Emiliano; Mattoli, Luisa; Brabet,
 Isabelle; Pin, Jean-Philippe
 CORPORATE SOURCE: Istituto di Chimica e Tecnologia del Farmaco,
 Universita' degli Studi, Perugia, I 06123, Italy
 SOURCE: Bioorganic & Medicinal Chemistry Letters (1998),
 8(12), 1569-1574
 CODEN: BMCLE8; ISSN: 0960-894X
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB The synthesis and the pharmacol. evaluation at metabotropic
 glutamate receptors of cubylglycine deriv. I are described. I is
 a structurally novel group I selective antagonist for mGluR1 subtype.
 IT 211635-33-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation)
 (prepn. of (carboxycubyl)glycine as new selective metabotropic
 glutamate receptor antagonist)
 RN 211635-33-5 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octaneacetic acid, .alpha.-amino-4-carboxy-
 , (.alpha.S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

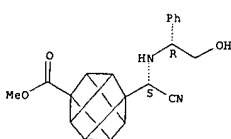


IT 29412-62-2, Dimethyl 1,4-cubanedicarboxylate
 RL: RCT (Reactant); RACT (Reactant or reagent)

L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS (Continued)

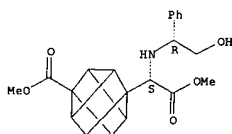
RN 211635-37-9 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octanecarboxylic acid,
 4-[(S)-cyano[(1R)-2-hydroxy-1-phenylethyl]amino]methyl]-, methyl ester
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 211635-41-5 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octaneacetic acid, .alpha.-[[[(1R)-2-
 hydroxy-1-phenylethyl]amino]-4-(methoxycarbonyl)]-, methyl ester,
 (.alpha.S)- (9CI) (CA INDEX NAME)

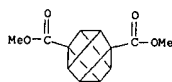
Absolute stereochemistry.



IT 211635-39-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of (carboxycubyl)glycine as new selective metabotropic
 glutamate receptor antagonist)
 RN 211635-39-1 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octanecarboxylic acid,
 4-[(R)-cyano[(1R)-2-hydroxy-1-phenylethyl]amino]methyl]-, methyl ester
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.

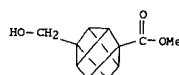
L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS (Continued)
 (prepn. of (carboxycubyl)glycine as new selective metabotropic
 glutamate receptor antagonist)
 RN 29412-62-2 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octane-1,4-dicarboxylic acid, dimethyl
 ester (7CI, 8CI, 9CI) (CA INDEX NAME)



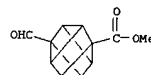
IT 24539-28-4P 60462-19-3P 211635-35-7P
 211635-37-9P 211635-41-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (prepn. of (carboxycubyl)glycine as new selective metabotropic
 glutamate receptor antagonist)
 RN 24539-28-4 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octane-1,4-dicarboxylic acid, monomethyl
 ester (8CI, 9CI) (CA INDEX NAME)



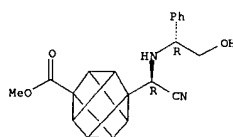
RN 60462-19-3 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octanecarboxylic acid, 4-(hydroxymethyl)-,
 methyl ester (9CI) (CA INDEX NAME)



RN 211635-35-7 CAPLUS
 CN Pentacyclo[4.2.0.0.2,5.0.3,8.0.4,7]octanecarboxylic acid, 4-formyl-, methyl
 ester (9CI) (CA INDEX NAME)



L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS (Continued)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
26.49	314.01

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.48	-3.10

CA SUBSCRIBER PRICE

FILE 'STNGUIDE' ENTERED AT 09:16:17 ON 19 DEC 2002
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Dec 13, 2002 (20021213/UP).

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.18	314.19

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-3.10

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 09:17:50 ON 19 DEC 2002